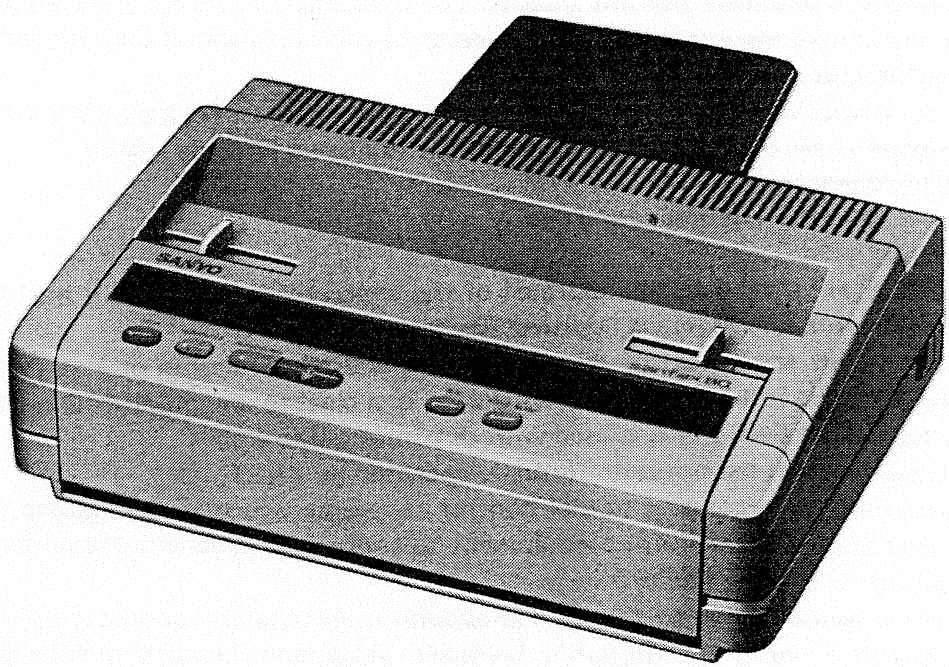
SANYO

Facsimile Transceiver

sanfax80



Instruction Manual

Warning

1. This apparatus is suitable for connection to the following.
   - Direct Exchange Lines (DEL's) to the British Telecom (BT) or Hull Public Switched Telephone Network (PSTN) which require signalling in either loop disconnect (LD) or multi-frequency (MF) tones.
   - Any compatible Private Branch Exchange (PBX) accepting signalling in either loop disconnect (LD) or multi-frequency (MF) tones. A definition of a relevant branch exchange can be found in BS6789 Sect 6.1 Clause 2.4.

   Provision is made for the connection of a telephone instrument via the apparatus, which is connected when the apparatus is not in use.

   This apparatus is NOT suitable for connection to the following:
   - Shared service (party lines).
   - 1 + 1 carrier systems.
   - As an extension to a payphone.
2. The supplier of the apparatus should be consulted for an up to date list of PBX's with which the apparatus is compatible. If the appropriate PBX extension wiring is not already installed, it must be installed by BT, or where the extension wiring is not owned by BT, by the authorised maintainer of the PBX, unless the authorised maintainer has been given 14 days written notice that extension wiring and/or sockets are to be installed by another person.

   It cannot be guaranteed that this apparatus will operate correctly under all possible conditions of connection to compatible PBX's. Any cases of difficulty should be referred in the first instance to the apparatus supplier.

   The compatible PBX may or may not be a type which provides secondary proceed indication.
3. This apparatus has been approved for the use of the following facilities:
   - Series connection.
   - Auto Clear from the call originating end.
   - Modem,

   Any other usage will invalidate the approval of the apparatus if as a result it then ceases to conform to the standards against which approval was granted.
4. The approval of this apparatus for connection to the British Telecom or Hull Public Switched Telephone Network is invalidated if the apparatus is subject to any modification in any material way not authorised by BABT or it is used with or connected to:
   (i) internal software that has not been formally accepted by BABT.
   (ii) external control software or external control apparatus which causes the operation of the apparatus or associated call set-up equipment to contravene the requirements of the standard set out in BABT/SITS/82/005S/D.

   All other apparatus connected to this apparatus and thereby connected directly or indirectly to the British Telecom or Hull Public Switched Telephone Network must be approved apparatus as defined in section 16 of the British Telecommunications Act 1984.
5. Customer Guide to REN

   The ringer equivalence number (REN) is a measure of apparatus performance when used with other equipment connected to the same telephone line.

   The sum of the individual REN's for all equipment to be connected to a single line should not exceed the maximum REN allowed, namely 4.

   The REN of sanfax 80 is 3.

   Consequently only one telephone for which the REN is 1, may be connected to the same lines as sanfax 80.

   A BT provided telephone instrument may be assumed to have a REN of 1, unless otherwise marked.

Customer Notification

Before connecting this equipment to a British Telecom line, the lower portion of this form should be sent to your local Telephone Areas Sales Office. (See Telephone Directory)

I/We request the installation of socket (New Style)

Customer Name . . . . . .

Address . . . . . .

. . . . . .

. . . . . .

Post Code . . . . . .

Telephone Number . . . . . .

SANYO sanfax 80
APPROVED CERTIFICATE NO. NS/1417/3/L/601714

Special Installation Instructions . . . . . .

. . . . . .

Customers Signature . . . . . Date . . . . . .

Introduction

Thank you very much for your purchase of a SANYO Facsimile model SANFAX 80.
The SANFAX 80 is an international standard high speed digital facsimile.
The major features of the SANFAX 80 include;

- CCITT G3, compatible
- Automatic receiving
- Local COPY
- 16 shades Halftone
- Automatic Document feeder (5 PAGES)

To effectively use the SANFAX 80 and to keep it in good condition for a long time, please read this instruction manual thoroughly and keep it for future reference.

Table of contents

Before use

Preparation 2
- Unpacking instruction 2
- Contents of carton 3
- Installation of the recording paper . . 4
- Attaching accessory 5
- Line connection 6
- Installation procedures 6
- Perform initial setting 7

Before operating 8
- Operation panel and function 8
- Effective text width 9
- Original that can be placed 10
- Using carrier sheet 11

Setting T.T.I. 12
- Setting own station tel. No. 12
- Issuing activity report 14
- No report mode 14
- Header print 15
- Diagnostic code on the report 16

Operation

Original document 18
- Placing originals 18

Transmission 19
- Transmitting originals 19
- Jammed originals 20

Reception 21
- Receiving 21
- Changing receiving mode "AUTO" — "MANUAL" 21

Phone calls 22
- Making phone calls 22
- Phone reservation function 23

Copy 24
- Making copies 24

Maintenance

- Recording paper handling precautions 26
- Fault finding 27

Main specification 29

Before use

Preparation

Unpacking instruction

To unpack your new SANFAX 80

1. Open the carton.
2. Remove the recording paper roll.
3. Remove machine from carton together with both sides of styrofoam braces.
4. Place the machine.
5. Remove the polyethylene bag which wraps the machine.
6. Remove transportation tapes.
7. Retain the carton and styrofoam braces for reshipment.

Cautions

Cautions on placement

Avoid placing the unit in humid or dusty spots, as well as places where it will be subjected to direct heat such as sunlight or the heater.

Take care not to step on or stand anything on mains cable. DAMAGE TO THE CABLE MAY CAUSE A FIRE AND IS A SAFETY RISK.

The unit must be installed on a stable shelf or table.

Do not use the same AC socket as appliances which generate large amounts of interference (such as heaters with a thermostat or appliances having motors with brushes). It is best to use a completely separate electrical outlet.

Keep away from water. If any water does inadvertently enter the unit, unplug at the AC power cord. DO NOT SWITCH ON. Please contact your dealer.

Handling precautions

Do not open up the unit. (It does not contain any user serviceable items.)

Maintain room temperature of between 5°C – 35°C (41°F – 95°F) during use. In addition, do not subject the unit to any vibration or shocks. Do not move the unit while in use.

A rapid increase of room temperature in winter can cause condensation within the unit, allow the machine to remain on for at least 15 minutes before attempting copies. Failure to observe this precaution may lead to paper jams or poor copy quality.

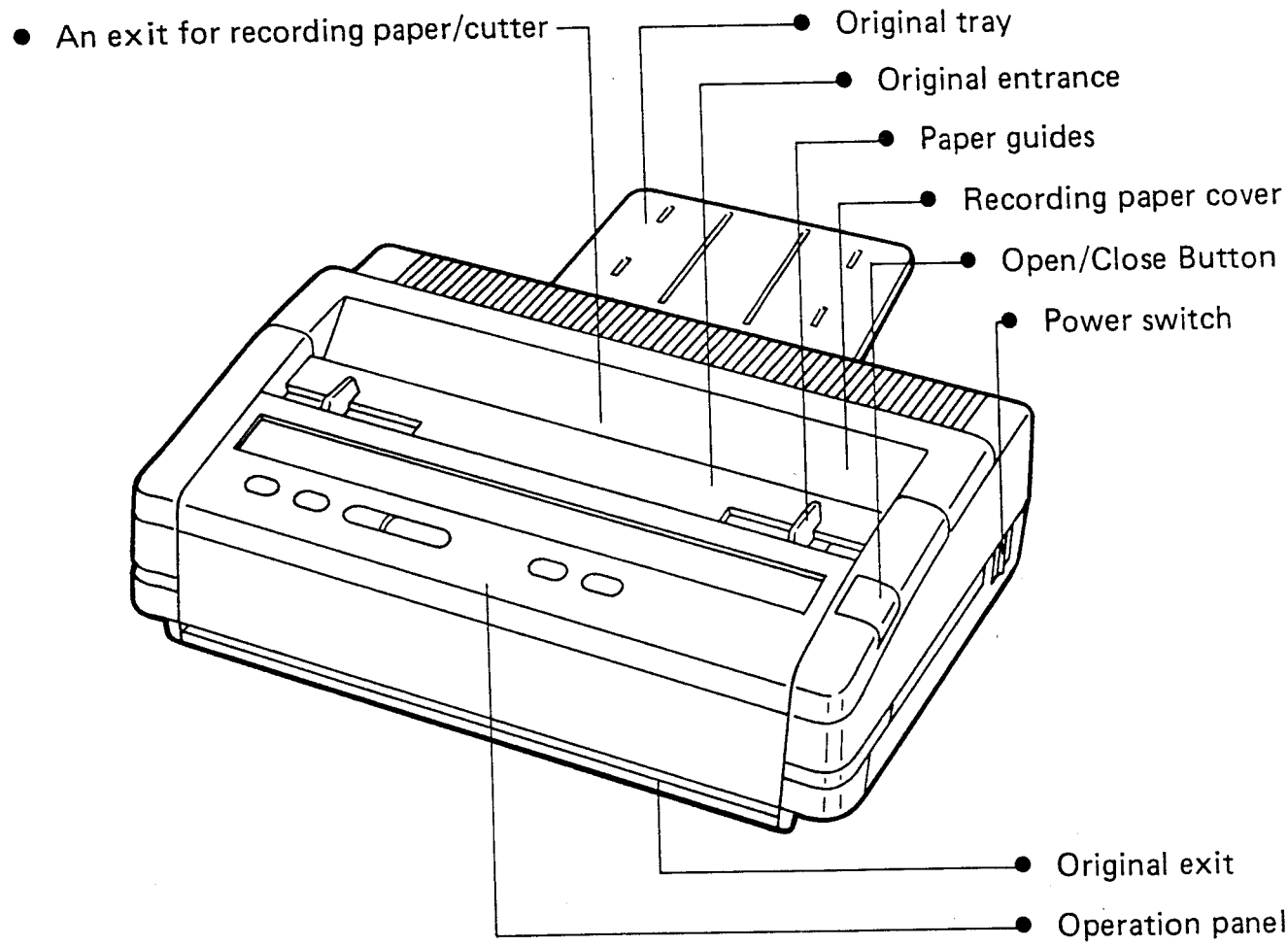
When cleaning the cover or operating panel, wipe gently using a damp cloth with a small amount of neutral detergent added. NEVER USE SOLVENTS OR CHEMICALLY TREATED CLOTHS.

Contents of carton

After unpacking, please check for the following items;

1. Facsimile unit 1
2. Original tray 1
3. Recording paper (216mm x 30m) . 1
4. Paper holder 2
5. Instruction manual 1
6. Mark sheet 2

Part name and Function

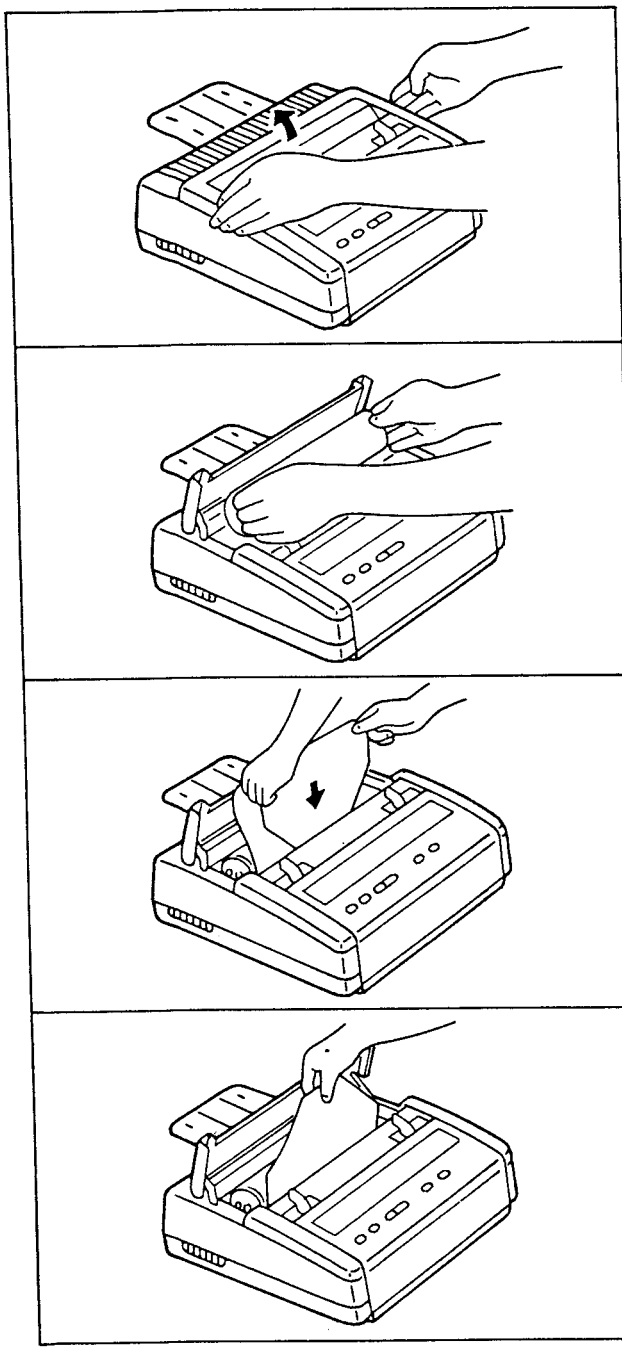


- Original tray : This tray supports long original.
- Recording paper cover : This cover is opened when replacing the recording paper.
- Paper guides : This guide must be adjusted to the original width.
- Open/Close button : Press button when original jams, then open operating panel toward you and remove original.

Note:

Do no place anything which obstructs original exit.

Installation of the recording paper



A. Open the recording paper cover.

B. Set the paper holders (2) to the both ends of new roll of recording paper and install it as shown figure.
Pay attention to the direction of the recording paper.

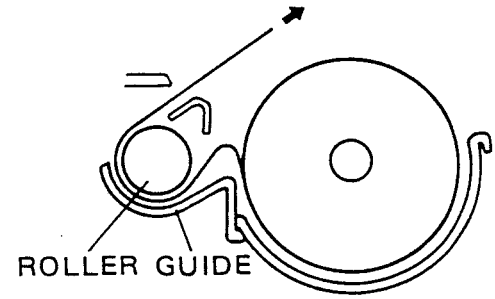
C. After opening the recording paper cover, insert the tip of recording paper in the insertion slot.
Insertion solt (Arrow maked).

D. Pull the tip of the recording paper out until it comes out about 4 inches from the machine.

E. Close the recording paper cover securely.

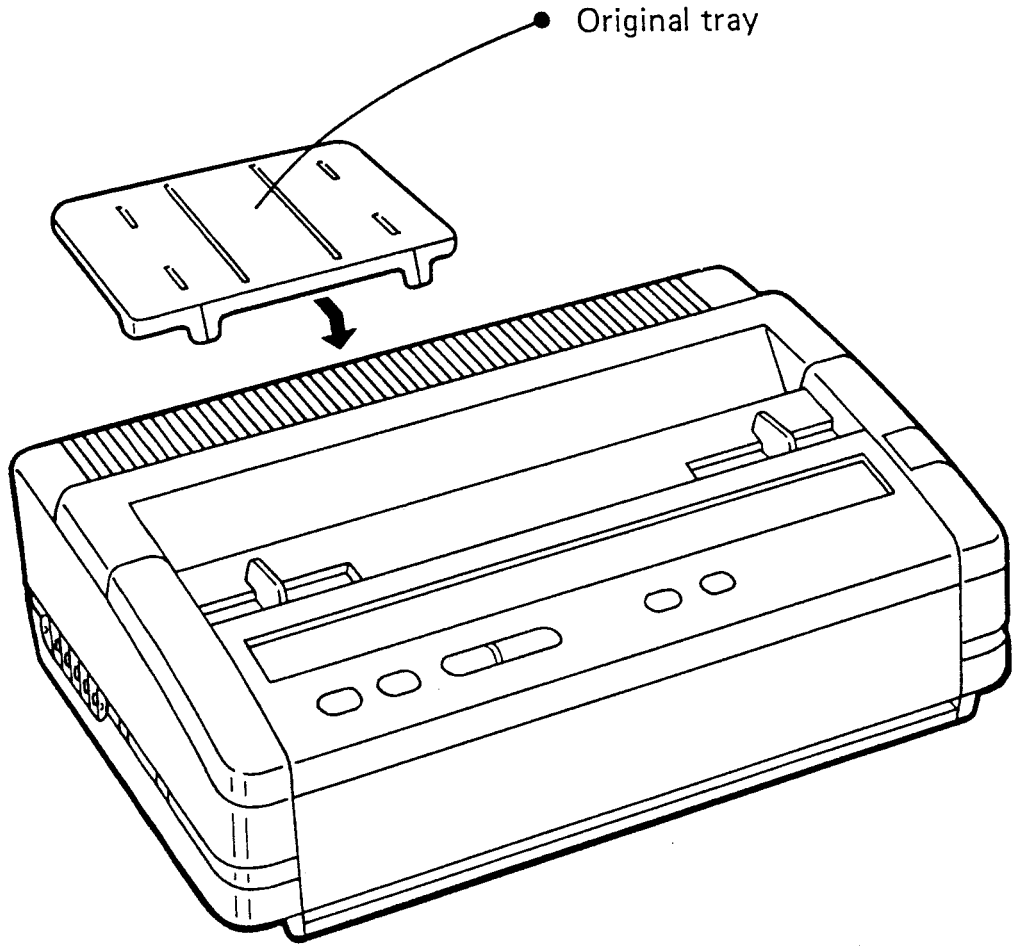
Note:

Be careful of the take up direction of the recording paper. If it is place in the wrong direction, no printing can be performed.



Attaching accessory

Attach accessory to the machine as in the figure below.



Line connection

For line connection the LJU connector may be plugged into a suitable socket.

Connection of Associated Apparatus

An associated telephone/apparatus should be connected only via the socket on the LJU 10/11A break in adaptor fitted.
Series connection of this apparatus will introduce a voltage drop of 0.6V at 40mA.
This apparatus should not be used in conjuction with other series connected apparatus such that the aggregate declared voltage drops of all this apparatus, toegther with the voltage drop introduced at 40mA by any separete wiring that is used to link items of apparatus, exceeds 2V.

Difficulty may occasionally be experienced when making calls to the PSTN via the series apparatus.

such difficulties may include . . . . difficulty in making calls
. . . . problems in telephone conversation being experienced by both parties to the call

Should much difficulties be experienced consult the supplier or maintainer of the series apparatus, not the network operator.

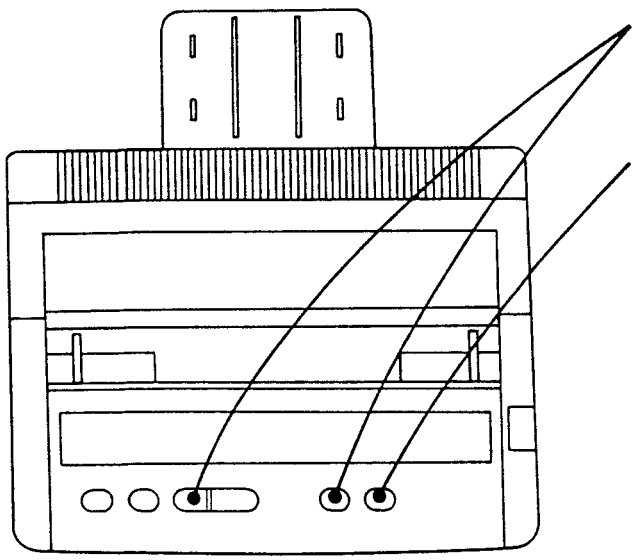
Interconnection directly or by way of other apparatus of ports marked as suitable for connection only to apparatus complying with BS6301 to ports not so marked may produce hazardous conditions on the BT Network. Advice should be obtained from a competent engineer before such a connection is made. On this apparatus the only port is the socket on the break in adaptor. It is not marked but is suitable for connection only to apparatus complying with BS6301.

Installation procedures

1. Connect to the telephone socket.
2. Install the recording paper. (refer to page 4)
3. Install the original tray.
4. Fit a plug to the mains cable and connect to a mains socket.
5. Turn on the power switch located on the right side of the unit.
6. Perform initial setting. (see next page, how to perform initial setting)
7. Check machine operation by making a copy. (see page 18 and 23)

Perform initial setting

The unit must be performed initial setting. SANFAX 80 is initialized of its memory at the factory. However, if it is kept for a long time without power, contents of the memory might be random. Because of back up capacitor discharging. When it is new installation, perform initial setting as listed below.

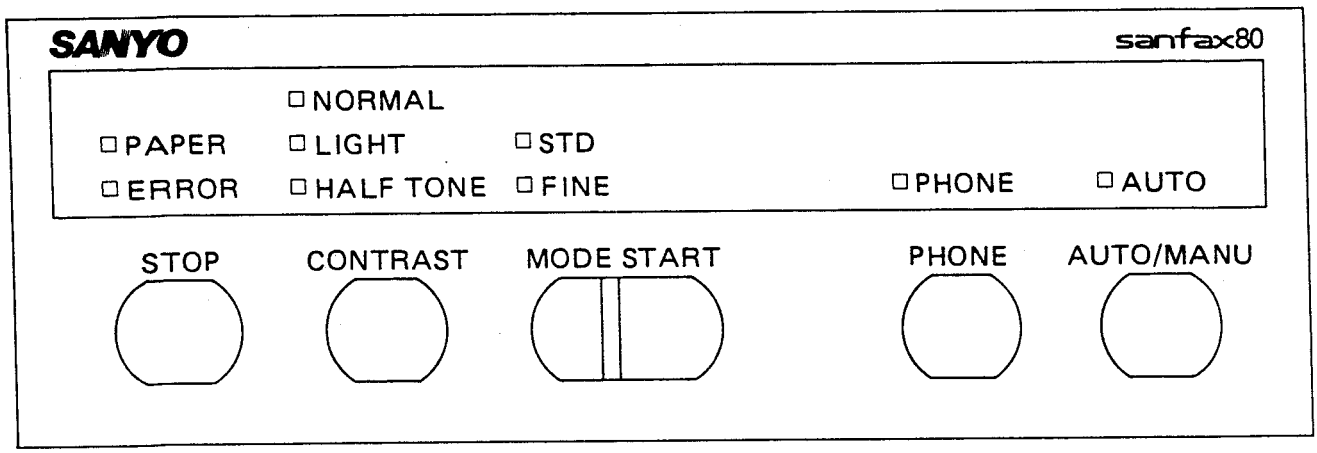


1. Press [MODE] during pressing [PHONE]. Then the mode lamp starts flashing with beeping tone.
2. Press [AUTO/MANU].

After performing initial set, the program of the unit will be returned to the factory setting.

Before Operating

Operation panel and function



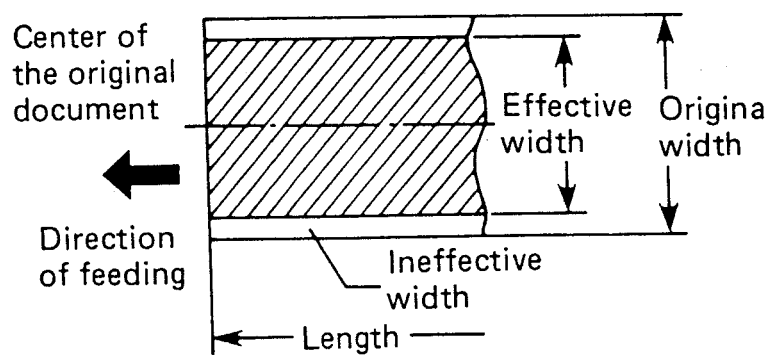
Keys	Description
STOP	• Press to interrupt transmission/reception/copy flashing error light; • To remove an original which has been set in the machine.
START	• To make a copy and to issue a list and report. • To perform transmission or manual reception.
MODE →STD ↓ FINE	STD : For ordinary-character originals. FINE : For fine-character originals and drawings.
CONTRAST →NORMAL ↓ LIGHT ↓ HALFTONE	NORMAL: For the original that has normal contrast. LIGHT: For the original that has light contrast. HALFTONE: Transmitting or copying toned originals such as photos.
PHONE	• To reserve the phone line for voice communication.
AUTO/MANU	• To change the receiving mode.

Light	Description
Phone	• This lamp will flash when phone calling from the party. • This lamp will light when phone call is being made.
PAPER	• Flash when Recording paper need to be replaced.
ERROR	• Flash when communication ERROR occurs.
NORMAL LIGHT HALFTONE	• Light when Normal contrast is selected. • Light when Light contrast is selected. • Light when Halftone is selected.
Auto	• Light when Automatic receiving mode is selected.
STD FINE	• Light when STD mode is selected. • Light when FINE mode is selected.

Effective text width

Effective text width that can be transmitted changes according to the original's width and Party's machine.

Other party		G3	
Original size that can be transmitted	Width	150mm ~ 257mm (5.9" ~ 10.1")	
	Length	100mm ~ 3000mm (4" ~ 118")	
Original width		216mm (8.5")	257mm (10.1")
Effective width		208mm (8.2")	248mm (9.7")



Note:

Use carrier sheet if the original width is less than 150mm (5.9") and original length is less than 100mm (4").

■ **Auto reduction (This function works depending upon other party's recording paper width)**

TRANSMIT DOC. / RECORDING PAPER WIDTH	257mm (10.1")	letter size 216mm (8.5")
216mm (8.5")	Reduce to 216mm (8.5")	No reduction
257mm (10.1")	No reduction	No reduction

Original that can be placed

■ Thickness of the original document that can be transmitted

Thickness (per sheet)	0.05mm ~ 0.15mm (0.002" ~ 0.006")

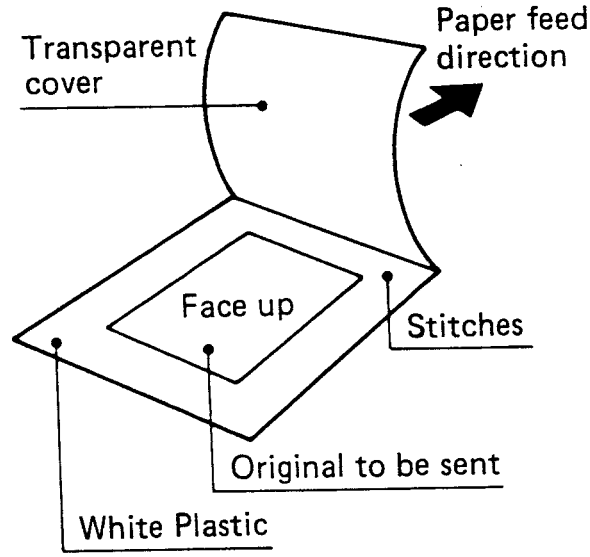
■ Notes on suitability of originals.

- ▶ Do not transmit originals with wet ink or glue. Allow to dry completely before insertion.
- ▶ Do not transmit originals with curls or folds. (See Carrier Sheet).
- ▶ Do not use Carrier Sheets with holes or tears.
- ▶ Ensure that all clips, staples & pins have been removed from originals.
- ▶ Never use carbon paper, wax paper or vinyl coated paper by itself. Always use a Carrier Sheet.
- ▶ Never use originals thicker than 0.15mm (0.006"), metal sheet or cloth. Use as an original a copy made in a photocopier.

Using Carrier Sheet

The following types of originals should be transmitted using the carrier sheet

- Originals with less than 150mm (5.9") width or 100mm (4") length.
- Originals with heavy curls, fold marks or creases.
- Originals on paper less than 0.05mm (0.002") thickness.
- Originals with wet ink or glue.
- Originals with carbon paper backing.
- Originals on glossy surface paper.



How to use

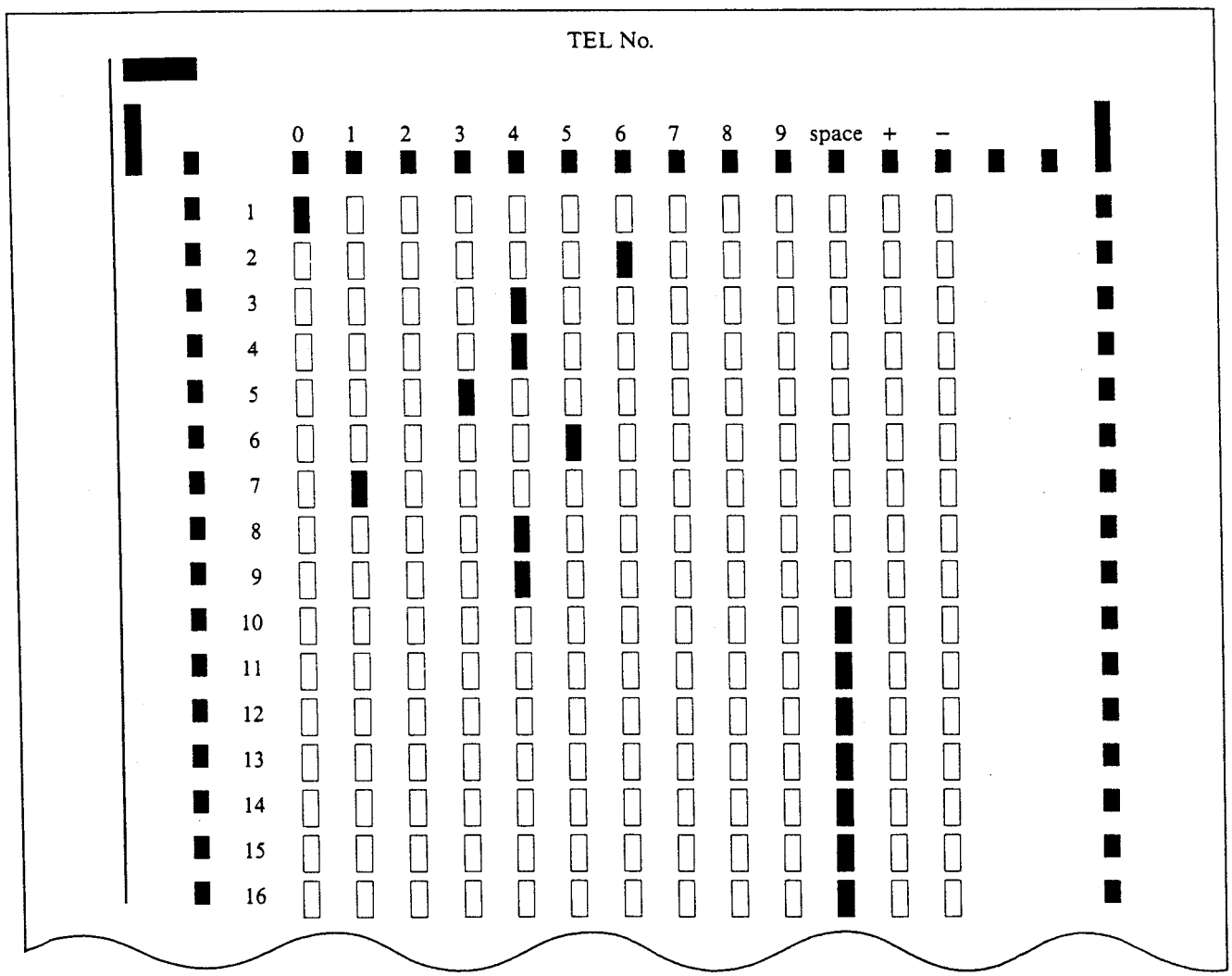
1. Place the original into the carrier sheet with the printed side facing the transparent cover.
2. Place the transparent cover surface face down.
3. Insert carrier sheet into the machine with bonded side pointing down into the machine.

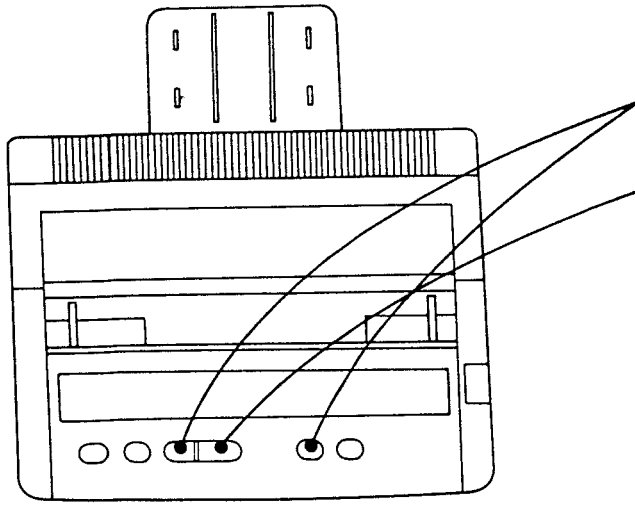
Setting T.T.I

Setting own station tel. No.

The SANFAX 80 can be set to your own station Tel. No. by using mark sheet. Once this program has been done, your FAX phone number will be printed on the top of each copy at the receiver whenever transmission is carried out.

1. Fill in the mark sheet
   Fill in the appropriate squares for your own telephone number with a soft-lead pencil. The telephone number should be marked 16 digits.
   Ex.) The telephone number is 064435144.
   Mark 06443 . . . . . in the mark sheet in this order. The rest should be marked "space" position.





2. Place the mark sheet marked side down.
3. Press [MODE] during pressing [PHONE].
   FINE lamp starts to flash.
4. Press [START].
   The machine will feed mark sheet.

- ▶ Make sure, you draw a mark which does not go outside the square. The mark should be dark and unbroken.
- ▶ Refer to back side of the mark sheet that is described about marking detail.

Note:

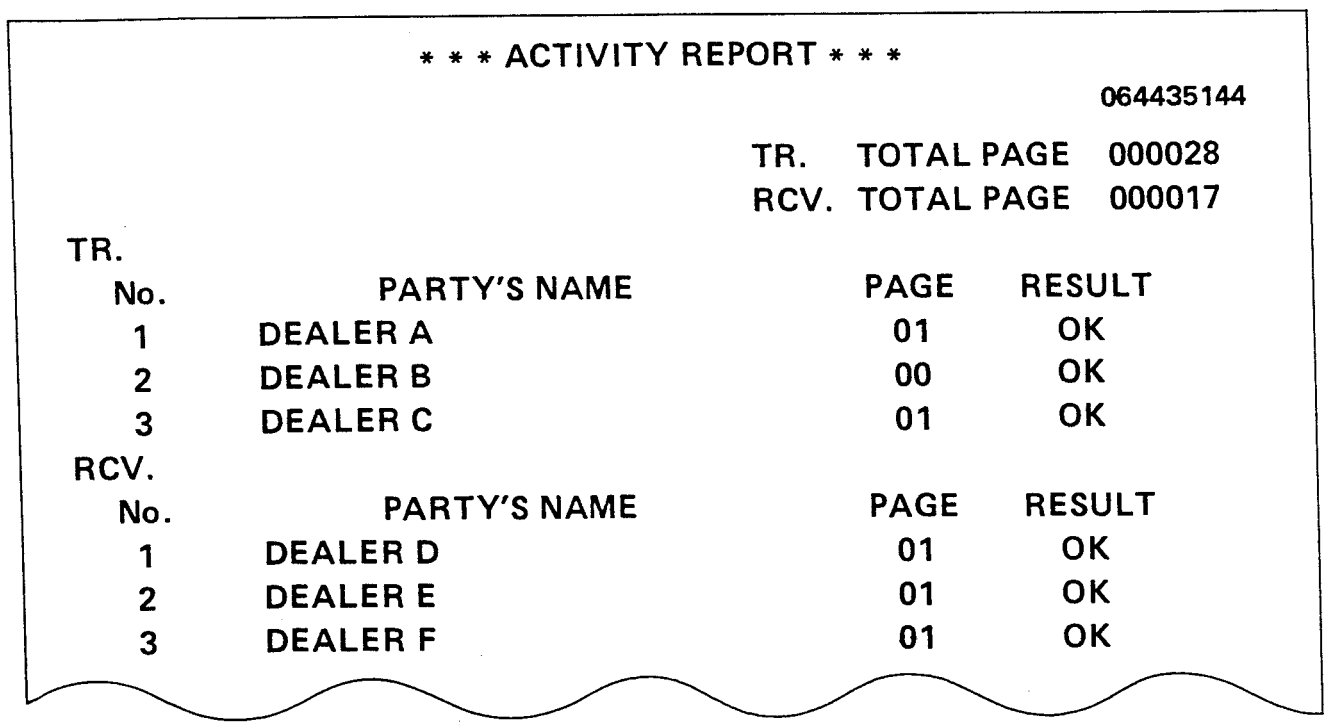
- ▶ The lower section of the mark sheet is for use by a trained service engineer only.

Issuing activity report

The SANFAX 80 will memorize the details of transmission and reception and will produce a report on demand.

Operation procedure.

1. Press [PHONE] · [START] at the same time.
   - The Activity Report will be issued. All contents will be cleared automatically.
   - If the party does not have its own station programming feature, the Activity Report will print "....." as a party's name.



* * * ACTIVITY REPORT * * *

064435144

TR. TOTAL PAGE 000028
RCV. TOTAL PAGE 000017

TR.

No.	PARTY'S NAME	PAGE	RESULT
1	DEALER A	01	OK
2	DEALER B	00	OK
3	DEALER C	01	OK

RCV.

No.	PARTY'S NAME	PAGE	RESULT
1	DEALER D	01	OK
2	DEALER E	01	OK
3	DEALER F	01	OK

Note:

▶ When a total combination of 40 transmissions and receptions is reached, the Activity report will be issued and all contents will be cleared automatically.

No report mode

Report mode is protected against the change. In order to program these protected items, you may consult a trained service engineer.
Even if no report mode is selected, the latest communication result can be printed using the same operation as issuing Activity report.

In case of no report mode is selected.

Ex. 1

```
          * * * ACTIVITY REPORT * * *
                                          064435144

                          TR.  TOTAL PAGE  000019
                          RCV. TOTAL PAGE  000002

TR.
  No.        PARTY'S NAME          PAGE    RESULT
RCV.
  No.        PARTY'S NAME          PAGE    RESULT
   1             DEALER A           01      OK
```

Ex. 2

```
          * * * ACTIVITY REPORT * * *
                                          064435144

                          TR.  TOTAL PAGE  000019
                          RCV. TOTAL PAGE  000001

TR.
  No.        PARTY'S NAME          PAGE    RESULT
   1             DEALER B           01      OK
RCV.
  No.        PARTY'S NAME          PAGE    RESULT
```

Note: Default setting of the Activity report mode is "YES".

Header print

When copies are received from SANFAX 80, terminal I/D (Telephone No.) and page number will be printed at the top of each copies.

```
                          TEL +0123 456789 012        P. 1
```

The contents of the terminal I/D is set previously. Refer to page 12 (Setting T.T.I.).

Diagnostic code on the report

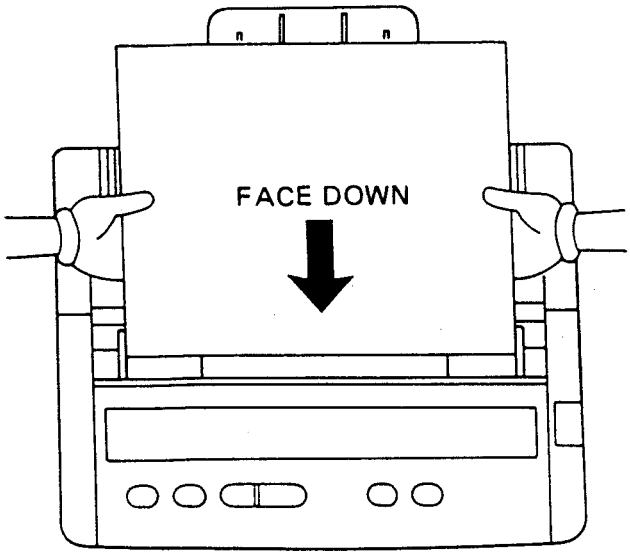
The SANFAX 80 will print out the following result code on the Activity Report and Transmission Report which helps the operator to quickly and accurately diagnose any problems.

ERROR CODE	DESCRIPTION
OK:	• Satisfactory sending or receiving without any problems.
10:	• No response from the other party. Check the condition of the other party's machine.
20:	• [STOP] was pressed during transmitting.
21:	• Original jams. Please remove the jammed original and replace it correctly.
23:	• Recording paper run out whilst receiving. Check the recording paper.
30s	• The printing quality at the receiver is no good because of poor telephone line. If this ERROR CODE occurs frequently, please contact your dealer.
40s	• The parties machine stays in abnormal condition like no recording paper. Please contact the receiver to check the condition of the machine.
50s	• Party's machine disconnects the line whilst communication is taking place. ie. In case of the party pressed [STOP], run out of the recording paper, or the line is disconnected whilst communication is taking place.
60s	• Communication was impossible because of poor phone line. Please contact your dealer when this error code occurs frequently.
70s	• Communication was impossible because of compatibility problem. Check your party's machine whether it is compatible or not.

Operation

Original document

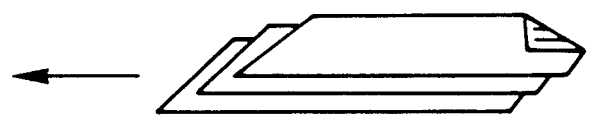
Placing originals



1. Adjust the paper guide according to the width of the original by the paper guide in or out.
2. Place the original face down and insert gently between the paper guides. The machine will feed document automatically.

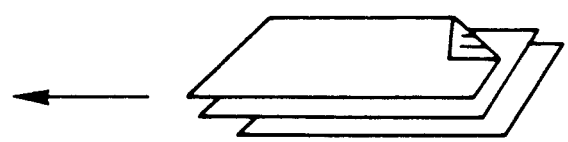
Note:

▶ When transmitting multiple documents, arrange the documents so that the edges which go into the machine first are staggered, with the first page being the lowest as shown below;



correct

Insertion direction



incorrect

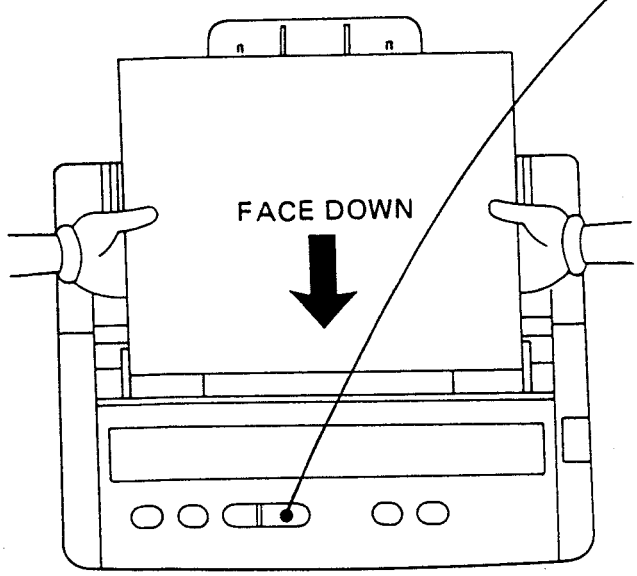
Transmission

Transmitting originals

1. Place the original face down on the original tray under the stand-by condition.
   - Set the paper guide according to the size of the original.
   - 5 sheets of the originals can be set at once on the original tray.

2. Insert the original gently into the machine.
   Refer to the PAGE 18 (Placing the original).
   - Enter the following (if required).
     Select the following by pressing each corresponding key;
     MODE (STD/FINE)
     CONTRAST (NORMAL/LIGHT/HALFTONE)

3. Call the other party.
   Lift the handset and Dial the party.



4. Press [START] confirming party's response.
   Both Mode and contrast lamps starts flashing.
5. Hang up the handset.
   Both lamps change from flashing to lighting when the machine starts to feed the original.
6. Transmission completed.
   - Once Transmission is completed, the machine will return to its initial setting.
   - In case of transmission failure.
     Both visual and audible alarm are given. Press [STOP], and try transmission from step 3.

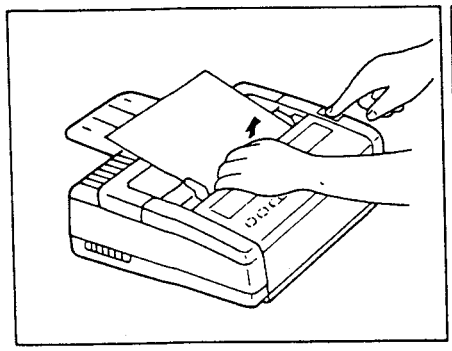
Note:

- ▶ Press [STOP] when interrupting a transmission or to take out originals already set for transmission.
- ▶ In the step 5 above, if the handset is not replaced, audible alarm is given after the transmission is completed.
  Hang up your handset to stop the audible alarm.
- ▶ When placing B4 original(s) in the step 1 above, document reduction is carried out automatically according to the size of recording paper of the receiver.

Jammed Originals

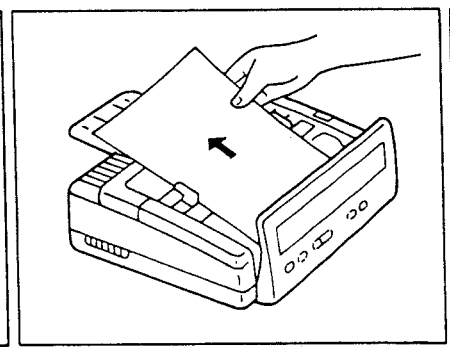
When the original jams, take it out in the following procedure. To ensure the smooth feeding of the original, refer to page 18.

1. Press OPEN/CLOSE button.



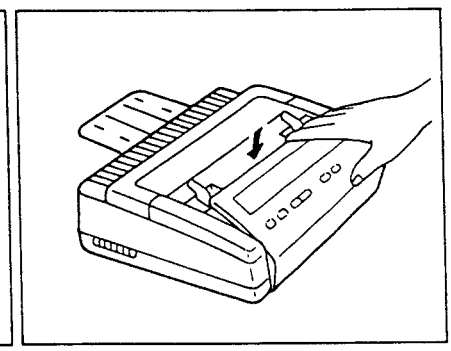
- Turn the power supply switch off.
- Open the operation panel towards you.

2. Take out the original.



- Take out the original jammed inside.

3. Close the operation panel.



Note:

▶ Operation panel must be closed properly. If it is not closed properly, transmitting is not possible.

Reception

Receiving

1. Auto reception
   ("AUTO" light is lit)
   When machines is in the auto position, the machine will automatically receive incoming transmissions.

2. Manual reception
   (No "AUTO" light is lit)

- Lift the hand set when it is called.
- Press [START] holding hand set after conversation.
- Hang up the hand set.
- After reception is completed, the unit will return to stand-by position in "MANUAL" reception mode.

Note:
As soon as SANFAX 80 turns into receiving mode, the CONTRAST Lamp goes off and mode lamp starts flashing. The mode lamp changes from flashing to lighting when printing starts on the Recording paper.

Changing receiving mode "AUTO" – "MANUAL"

Receiving condition can be changed easily by pressing [AUTO/MANU]. (Changes AUTO → MANUAL alternately by pressing [AUTO/MANU].
When receiving condition is set "AUTO", the AUTO lamp will light.

Note:
"AUTO" position is the factory setting.

Phone calls

Making phone calls

Operating procedure.

1. Lift the Handset.
2. Dial the other party.

Note:

▶ If you make a dialling mistake, hand up the Handset and repeat from first (1) step.

Phone reservation function

If the other party has a G3 FAX, the phone conversation will be available after transmitting or receiving by pressing [PHONE] as FAX communication is being held.

Callers operation

1. Press [PHONE] during fax communication.
2. Finished communication.
3. A beeping tone will be heard, the phone lamp will start to flash.
4. Lift the handset and press [PHONE]. Talk to the other party when its ready.

Called operation

1. Now communicating.
2. Finished communication.
3. A beeping tone will be heard, then the phone lamp will start to flash.
4. Lift the handset and press [PHONE] key.
   Talk to the other party when its ready.

Note:

- To cancel after pressing [PHONE], press [PHONE] again.
- A beeping tone will be heard in the earpiece of the external telephone hand-set and this will continue for about 25 seconds, (unless the phone is answered beforehand). If the operator has not answered within this time, the phone will be automatically disconnected.

Transmitting after phone calls.

1. Press [START] at receiver side after conversation.
2. Press [START] at transmitter side after hearing a beeping tone.
3. Transmitting or receiving starts.
4. Hang up the handset.

Copy

Making copies

Set the original face down and press START.

The following can be set after setting document (if required).
CONTRAST (NORMAL/LIGHT/HALFTONE)

Note:

- 5 sheets of original can be set at once.

Copy is always carried out with FINE mode even if STD mode is being selected.

Maintenance

Recording paper handling precautions

The recording paper for this unit is R-4079448-2. (R-4079448-2 is printing paper of 216mm (8.5") wide and 30m (98') long.)
Please do not use recording paper other than the specified type.

- This recording paper is a thermal recording type that colors by a thermo-chemical reaction. Please handle it with care, paying attention to the following points.

1. Caution for storage
   This recording paper gradually colors from about 70°C (158°F). Both unprinted paper and printed paper without distinction are affected by heat, humidity, light, etc., therefore store it after paying attention to the following points.
   a) Store in dry, dark and cool places.
      Avoid places near heaters, tightly closed spaces, exposed to direct sunlight (e.g. trunks of cars), etc.
   b) Use opened packs as soon as possible.

2. Handling care and caution for use
   a) When the recording paper is touched with wet hands, finger-prints may be left on it and shade off the printing.
   b) If the paper is rubbed with hard objects, it may color due to friction heat.
   c) When the paper comes in contact with chemicals, oil, etc., it may discolor and printing may be erased. Therefore, pay attention to the following cases.
   - In case of fixing with adhesive tape, it may slightly, color due to the adhesive. Therefore, in such cases use doublefaced tape on the reverse side of the paper as much as possible.
   - Do not pile it up with vinyl chloride films and wax type paper for thermal printing. The printed parts will faint because a plasticizer is contained.
   - Do not pile it up with diazo and wet copies. Discoloring due to ammonia, etc. may occur.
   - Discoloring occurs when it comes in contact with alcohol and volatile organic solvents.

Note:
As much as possible, be careful to avoid exposure to direct sunshine.
The paper has a yellowing tendency.

Fault finding

If any of the symptoms below occur during use, check the following points once again. If the fault still cannot be cleared, contact the dealer where this unit was purchased.

SYMPTOMS	POINT TO CHECK	MEASURE TO TAKE	REF. PAGE
The unit does not operate.	Is AC plug plugged into electrical outlet?	Plug AC plug into electrical outlet firmly.	–
	Is the power supply switch turned on?	Turn the power supply switch on.	–
	Is AC local voltage electricity being supplied to the wall outlet?	Check by connecting another electrical appliance to the outlet.	–
The original does not go in.	Is the operation panel closed securely?	Close the operation panel.	20
	Is the original document thickness with in specified thickness range?	Use the original within specified thickness range.	10
	Is the original torn or curled?	Use the carrier sheet.	11
	Is the original inserted into the unit enough?	Insert the original into the unit enough.	18
	Is the original jammed inside?	Open the operation panel, then take out the original.	20
Transmission is not possible.	Is the original set into the unit?	Set the original.	18
	Is there recording paper at receiver's unit?	Check it by making contact with receiver.	–
	Is the receiver's unit selected manual reception?	Check it by making contact with receiver.	–

SYMPTOMS	POINT TO CHECK	MEASURE TO TAKE	REF. PAGE
Reception is not possible.	Is there recording paper? Is the recording paper jammed?	Check the recording paper.	4
Nothing is printed on the recording paper.	Has the transmitter sent original which is set up side down?	Check it by making contact with transmitter.	–
	Is the recording paper set properly?	Install the recording properly.	4
Received copy is light over all.	Is the recording paper designated paper?	Use the designated recording paper.	26
	Is the temperature of the room low?	Use the unit within 5 ~ 35°C	2
	Is transmitter's original light?	Ask transmitter to select light contrast.	–
Received copy is dark over all.	Is transmitter's original dark?	Ask transmitter to select normal position.	–

Main Specifications

Model name	SANFAX 80
Type	Transceiver type
Line connected	Public switched telephone network, PBX
Size of original	Maximum width: 257mm Maximum length: 3000mm
Size of recording paper	216mm (8.5'') x 30m (98') 50m (164') option
Effective scanning width	208mm
Transmission speed (G3)	9600/7200/4800/2400 BPS
Transmission time (Standard original)	G3: Approx. 20 sec/page (Transmission mode: standard)
Main scanning density	8 pel/mm
Sub scanning density	3.85 line/mm (98 LPI, Standard Mode) 7.7 line/mm (196 LPI, Fine Mode)
Compression method	MH (Modified Huffman)
Reading method	CCD image sensor
Recording method	Thermal recording
Power supply	AC Local voltage, 50/60 Hz
Power consumption	Stand-by 17W, Transmission: 35W, Reception: 58W, Copy: 72W
Outer dimensions	Approx. 330(W) x 250(D) x 100(H) mm
Weight	Approx. 5.0 kg
Ambient temperature	5°C ~ 35°C (41°F ~ 95°F)
Main features	Auto receive. Auto protocol adjustment. Copy. Phone reservation. Contrast control. ADF. Original mode. Header print. Activity report. Half tone (16 Shades)